

In re Patent Application of:

**TAUZIA**

Serial No. 09/852,962

Filing Date: May 10, 2001

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**REMARKS**

Applicant would like to thank the Examiner for the thorough examination of the present application. The informality in Claim 19 has been corrected as helpfully noted by the Examiner. FIG. 2 has been modified to include an "index 43" on the display screen. The paragraph beginning on page 10, line 29 has been amended to reflect the drawing modification. The arguments supporting patentability of the claims are presented in detail below.

**I. The Claims Are Patentable**

The Examiner rejected independent Claims 14, 26 and 37 over the Raiyat patent in view of the Park et al. patent. The present invention, as recited in independent Claim 14, for example, is directed to a method for displaying an index of a teletext program on a television screen. The teletext program comprises a plurality of teletext pages, with each teletext page being broadcast as a set of data packets. The method comprises receiving a teletext page with the set of data packets including a first data packet comprising a plurality of labels with each label referring to another teletext page, and including a second data packet comprising a respective page number associated with each label of the first data packet.

The first and second data packets are decoded to obtain each label and the associated page number. The method further comprises storing the plurality of labels and the associated page numbers in a memory to be used for the displaying of the index. Displaying the index at a user's request is based upon contents of the memory. The displaying

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comprises reading the plurality of labels and associated page numbers from the memory, and creating the index comprising at least one page comprising a list of labels and associated page numbers.

The present invention thus relates to displaying an index of a teletext program on a television screen, and advantageously allows a user to quickly obtain a desired teletext page regardless of the desired page. Independent method Claim 26 is similar to independent method Claim 14, and independent device Claim 37 is also similar to independent method Claim 14.

Referring now to FIG. 1 of the Raiyat patent, a television receiver receives data such as teletext associated with the television picture. The Examiner characterized tuners 3, 23 as a receiver for receiving at least one teletext page, and elements 4, 24 as a demodulator. The Examiner further characterized microprocessor 7 and data acquisition circuit 6 as a decoder for decoding first and second data packets. The microprocessor 7 further communicates, via the interface circuit 12, with a display circuit 14 that takes the data from a memory 13 and formats it for display on the screen of the television receiver.

More particularly, Raiyat provides a label for each page and then, when one current page is displayed, additional labels are simultaneously displayed. For example, four labels may be displayed, with each label being associated with one color (red, yellow, blue and green). Each corresponding page has a link with the current page being displayed (same theme, for example). As correctly noted by the Examiner, Raiyat fails to display the page numbers when creating this index of

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labels. The Examiner cited the Part et al. patent as disclosing this feature. The Applicant submits that even if the references were combined as suggested by the Examiner, the claimed invention is still not produced.

The Examiner has taken the position in paragraph b) in the Official Action that the decoding and storing as recited in independent Claim 14 is met by column 4, line 63 to column 5, line 9 and FIG. 1 in Raiyat. The Applicant notes that Raiyat explains that the data for each page are stored in the memory, and that the microprocessor controls which pages are acquired and where they are stored. However, Raiyat fails to disclose the decoding of the packets X24 and X27 of each page to extract all the labels and corresponding page numbers indicated in these packets. Raiyat also fails to disclose storing the labels/page numbers in the memory, in addition to storing the packets X24 and X27.

The exact procedure for receiving and decoding of FASTEXT (FLOF) or TOP signals is disclosed in the Applicant's background section of the application. The Applicant's background section states that when a page is received, all the packets corresponding to the page are memorized, including the packets X24 and X27, but the packet X24 is not decoded to extract the labels and to memorize each label separately in the memory. When a page is displayed, the labels listed in the packet X24 of the pages are also displayed. All the labels of the packet X24 are simultaneously displayed, in the same order they are memorized in the packet. The labels displayed are color-coded.

In a same program, a plurality of pages may have the same color codes depending on the page currently displayed.

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After the choice of a label by the user, the packet X27 is decoded to extract one page number associated to the selected label. The label may be chosen using a remote control by selecting a colored button or by using control buttons for selecting a colored button. Therefore, Raiyat fails to teach or suggest decoding the first and second data packets to obtain each label and the associated page number, and storing the plurality of labels and the associated page numbers in a memory to be used for the displaying of the index as recited in independent Claim 14.

The Examiner has taken the position in paragraph c) in the Official Action that displaying the index at the user's request based upon contents of the memory as recited in independent Claim 14 is met by display device 17 in FIG. 1 of Raiyat where the identification data (index) of the received identification data may be displayed in a number of ways as shown in FIGS. 3a-3c. The Examiner further states that the user can display the identification data by request using a remote control 10, where the identification displayed is based upon the stored contents of the memory 13.

In Raiyat, the user can not choose a page by using the scroll button of the remote control 10, and can not request the displaying on an index. In Raiyat, the list of the identification symbols (= index ?) are automatically displayed on the screen. They indicate which navigation system (TOP, FTXT, etc.) is available with the program and not the contents of the pages. The user does not request the displaying of the list of identification symbols.

When a page is displayed in Raiyat, the labels contained in the associated packet X24 are automatically

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displayed. The user can request the display of a page, but cannot request the display of a packet X24 (or a list of labels) without the display of the corresponding page. The scroll button is used to activate the TOP or the FTXT identification symbol (column 7, lines 24-26 in Raiyat), and then the user operates on the colored button to select a linked page (column 7, lines 26-28 in Raiyat). Therefore, Raiyat fails to teach or suggest that the user may request the displaying of an index regardless of the contents of the index.

The Examiner has taken the position in paragraphs d)-e) that reading the plurality of labels and associated page numbers from the memory - as recited in Claim 14 - is met where microprocessor 7 reads the labels and page numbers from the memory 13. In Raiyat, the microprocessor reads a page cut in a plurality of packets in the memory, and one of these packets may contain a plurality of page numbers. However, the microprocessor does not read a part of the memory containing both the labels and page numbers associated with the program.

Park et al. discloses a method for displaying teletext information for a wide-screen television receiver in which both the list and the contents of received teletext pages are displayed on a screen, so that a user can easily find desired teletext information without the necessity of individually entering page data for page search. Park et al. fails to provide the noted deficiencies with respect to Raiyat.

In the claimed invention, the object is not to inform the user how many pages are associated with each program, instead, the object is to implement a method wherein

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the user can obtain easy and fast access to a desired teletext page - whatever is the desired page. More precisely, a user has a direct access to the page number of a desired page by choosing the corresponding label. Neither Raiyat or Park et al. discloses this feature of the claimed invention.

Both Raiyat and Park et al. fail to teach or suggest systematically, when receiving a page, to extract all the labels contained in the packet X24 and the associated page numbers contained in the packet X27, and to memorize the extracted labels/page numbers separately from the page (the page may or may not be memorized). The use in the memory of an area containing the labels and page numbers (in addition to an area containing a plurality of memorized pages) at a user request, to read a plurality of labels/page numbers and to create a list is also not disclosed by the combination of Raiyat and Park et al.

Accordingly, it is submitted that independent Claim 14 is patentable over Raiyat in view of Park et al. Independent Claims 26 and 37 are similar to independent Claim 14. Therefore, it is also submitted that independent Claims 26 and 37 are also patentable over Raiyat in view of Park et al. In view of the patentability of the independent Claims 14, 26 and 37, it is submitted that their dependent claims, which recite yet further distinguishing features of the invention, are also patentable. These dependent claims require no further discussion herein.

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**CONCLUSION**

In view of the amendments to the claims and the arguments provided herein, it is submitted that all the claims are patentable. Accordingly, a Notice of Allowance is requested in due course. Should any minor informalities need to be addressed, the Examiner is encouraged to contact the undersigned attorney at the telephone number listed below.

Respectfully submitted,



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**CERTIFICATE OF FACSIMILE TRANSMISSION**

I HEREBY CERTIFY that the foregoing correspondence has been forwarded via facsimile number 703-872-9306 to the Commissioner for Patents on this 2 day of November, 2004.



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